

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
JPP-1266NP

In Re Application Of: WEITAO JIA, SHUHUA JIN

Serial No.  
10/005,298

Filing Date  
12/5/01

Examiner

Group Art Unit

Title: **DENTAL/MEDICAL COMPOSITES COMPRISING DEGRADABLE POLYMERS AND METHODS OF MANUFACTURE THEREOF**

#2

Address to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

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OF  
MANUFACTURE THEREOF**

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(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. \_\_\_\_\_ as described below. A duplicate copy of this sheet is enclosed.
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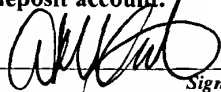
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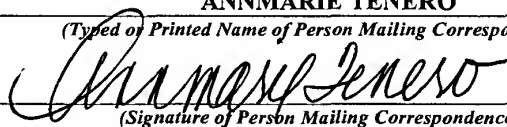
Dated: 1/9/02

ANN M. KNAB, ESQ.  
REG. NO. 33,331

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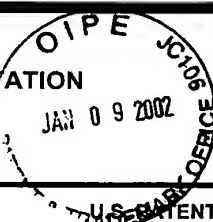
01-14-02

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Serial No. 10/005,298		Filing Date 12/5/01	Examiner	Group Art Unit
Invention: <b>DENTAL/MEDICAL COMPOSITES COMPRISING DEGRADABLE POLYMERS AND METHODS OF MANUFACTURE THEREOF</b>				
I hereby certify that the following correspondence: <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"><b>TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT; INFORMATION DISCLOSURE STATEMENT; POST CARD</b></div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on</p> <p style="text-align: center;"><u>1/9/02</u> <i>(Date)</i></p> <div style="text-align: center; margin-top: 20px;"><u>ANNMARIE TENERO</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i>  <i>(Signature of Person Mailing Correspondence)</i></div> <div style="text-align: center; margin-top: 10px;"><u>EK904747739US</u> <i>("Express Mail" Mailing Label Number)</i></div>				
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ATTY DOCKET NO.

JPP-1266NP

SERIAL NO.

10/005,298

WEITAO JIA, SHUHUA JIN

FILING

12/5/01

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,066,112	11/27/62	BOWEN			
	3,925,112	11/27/62	KILMENT			
	3,991,008	11/9/76	TEMIN			
	4,103,002	7/25/78	HENCH			
	4,159,358	6/26/79	HENCH			
	4,171,544	10/23/79	HENCH			
	4,189,325	2/19/80	BARRETT			
	4,234,972	11/25/80	HENCH			
	4,240,832	12/23/80	JANDOUREK			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


		Hench, L.L., "The Kinetics of Bioactive Ceramics - Part I: Reaction Rates" Bioceramics: 3rd Intl Symp Ceramics in Medicine; Terre Haute, IN; November, 1990, pp. 43-45
		Andersson, O.H., "The Kinetics of Bioactive Ceramics - Part II: Surface Reactions of Three Bioactive Glasses" Bioceramics: 3rd Intl Symp Ceramics in Medicine; Terre Haute, IN; November, 1990; ISCM, pp. 46-end of article

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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>JPP-1266NP</b>		SERIAL NO. <b>10/005,298</b>	
				<b>WEITAO JIA, SHUHUA JIN</b>			
				FILING <b>12/5/01</b>		GROUP	



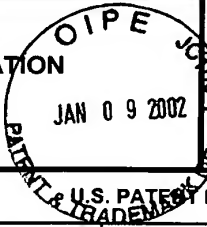
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,054,400	4/25/00	BRINK			
		6,086,374	7/11/00	LITKOWSKI			
		5,891,233	4/6/99	SALONEN			
		5,735,942	4/7/98	LIKOWSKI			

FOREIGN PATENT DOCUMENTS								
*	*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>		
		West, J.K; Hench, L.L., "Reaction kinetics of bioactive ceramics Part V: Molecular orbital modelling of bioactive glass surface reactions" Bioceramics, Volume 5, pp. 75-86. 1992.
		Zhong, J.P., "The Kinetics of Bioactive Ceramics Part VII: Binding of Collagen to Hydroxyapatite and Bioactive Glass" Bioceramics, Vol 7, July 1994, pp. 61-66.

EXAMINER	DATE CONSIDERED
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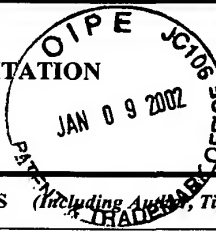
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				WEITAO JIA, SHUHUA JIN FILING		GROUP <b>12/5/01</b>	
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,449,938	5/22/84	POLLAK			
		4,544,359	10/1/85	WAKNINE			
		4,547,531	10/15/85	WAKNINE			
		4,775,646	10/4/88	HENCH			
		4,851,046	7/25/89	LOW			
		4,986,754	1/22/91	CHANG			
		5,074,916	12/24/91	HENCH			
		5,518,680	5/21/96	CIMA			
		5,981,412	11/9/99	HENCH			
		6,013,591	1/11/00	YING			
		6,051,247	4/18/00	HENCH			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
		Hench, L.L., Anderson, OH, "The Kinetics of Bioactive Ceramics Part III: Surface reactions of Bioactive glasses compared with inactive glass" Bioceramics, September, 1991, pp. 155-162.					
		Hench, L.L., Latorre, GP, "Reaction kinetics of bioactive ceramics part IV: Effect of glass and solution composition" Bioceramics, Vol. 5, pp. 67-74. 1992.					
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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Applicant(s) <b>WEITAO JIA, SHUHUA JIN</b>	
Filing Date <b>12/5/01</b>	Group Art Unit

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Abstracts, Title, Date, Pertinent Pages, Etc.)
	"The Mineral Apatite," [http://www.galleries.com/minerals/phosphat/apatite/apatite.htm] November 29, 2000.
	PerioGlas Product Information from U.S. Biomaterials Corporation, Alachua, Florida [http://www.ushiomat.com/perioglas.html], November 15, 2000
	Nova Bone Product Information from U.S. Biomaterials Corporation, Alachua, Florida [http://www.ushiomat.com/novabone.html, November 15, 2000]
	Bioglass Procuct Information from U.S. Biomaterials Corporation, Alachua, Florida [http://www.usbiomat.com/bioglass.html], November 15, 2000
	"Pushing the boundaries of tradition, researchers are the catalysts for change" http://www.health.ufl.edu/bullets/invent.html, November 15, 2000
	PerioGlass Product Information, U.S. Biomaterials Corporation http://www.tracomservices.com/perioglas/perioglas.htm, November 15, 2000
	Han, Y.K; Ederman, P.G., Huang, S.J., "Synthesis and characterization of crosslinked polymers for biomedical composites" Journal of Macromolecular Science, A-25, (5-7), pp. 847-869 (1988)
	Langstaff, Sarah, "Development of a bulk calcium phosphate ceramic capable of supporting osteoclastic resorption" [http://www.phy-server.queensu.ca/wwwhome/assg/sarah.htm] November, 2000.
	Eguiburu, J.L.; Fernandez Berridi, M.J.; San Roman, J. "Functionalization of poly (l-lactide) macromonomers by ring-opening polymerization of l-lactide initiated with hydroxyethyl methacrylate-aluminum alkoxides" Polymer, Vo. 36, No. 1, pp. 173-179 (1995)
	Onyari, J.M., Huang, S.J., "Multi-Component Comb Shaped and Networks Containing Poly (Lactic Acid)," Polymer Material Science and Engineering, Vol. 72, No. 1 p. 137. (1995)
	Huang, S.M., Onyari, J.M., "Multicomponent Polymers of Poly (Lactic Acid) Macromonomers with Methacrylate Terminal and Copolymers of Poly (2-Hydroxyethyl Methacrylate)," Journal of Macromolecular Science - Pure Applied Chemistry Vo. A33, No. 5, pp. 571-584 (1996)
	Barakat, I., Duhois, PH, Jerome, R. Teyssie, PH, Goethals, E., "Macromolecular Engineering of Polylactones and Polylactides XV. Poly (D,L) Lactide Macromonomers as Precursors of Polymer Chem. Ed., Vo. 32, p. 2099-2110 (1994).
EXAMINER	DATE CONSIDERED

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